

ABSTRACT OF THE DISCLOSURE

5 A system and method for pumping water from a wellbore to a surface
location using an improved motorless water pump. The improved motorless water
pump is a downhole hydraulic ram pump powered by the renewable energy source,
groundwater. As water falls down a wellbore from an upper strata to a lower strata,
the conversion of the water's momentum to energy is used to compress air captured
in the ram's pressure chamber. The compressed air contained in the pressure
chamber pushes down on the water captured in the pressure chamber causing the
10 water to exit the pressure chamber through an outlet and into tubing. The water in
the tubing is responsive to the pressure in the chamber rising to the surface.